MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

FORMERLY

SYRIAN PROTESTANT COLLEGE

BEIRUT, SYRIA

LAT. 33° 54′ 22″ N.

LONG. E. FROM GREENWICH 35° 28′ 10″

NOVEMBER, 1932

J. A. BROWN, DIRECTOR

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NOVEMBER 1932
METEOROLOGICAL REGISTER

Date	Barometer reduced to 0°C Sea level and 45° Latitude 700 mm + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min	8:30	14:30	20:30	Mean
1	60.8	60.6	60.9	60.8	27.3	21.1	25.4	26.4	23.3	25.0
2	1.6	0.7	1.3	1.2	27.9	20.2	25.3	27.3	23.8	25.5
3	1.6	0.0	0.7	0.8	29.1	21.8	26.6	26.6	25.0	26.1
4	0.5	1.0	1.2	0.9	31.0	21.1	28.7	26.6	24.3	26.5
5	0.7	56.7	56.7	58.0	26.0	23.6	24.1	24.9	23.6	24.2
6	58.9	59.2	59.7	59.3	24.6	18.9	22.9	24.2	19.9	22.3
7	60.4	62.4	62.7	61.8	24.2	18.0	23.2	17.7	16.7	19.2
8	3.2	2.6	3.6	3.1	24.4	16.4	21.5	22.4	20.2	21.4
9	4.2	3.0	3.4	3.5	23.1	17.6	20.6	22.3	20.3	21.1
10	1.8	3.3	4.3	3.1	24.0	18.2	22.1	23.1	20.6	21.9
11	64.3	63.4	64.1	63.9	24.4	18.3	22.8	23.8	20.4	22.0
12	4.4	3.0	3.5	3.6	23.9	18.7	21.2	23.6	20.4	21.7
13	3.6	2.3	2.5	2.8	23.9	19.4	22.7	23.1	21.5	22.4
14	1.8	59.8	59.5	0.4	23.9	17.4	22.1	22.9	19.8	21.6
15	58.0	7.0	8.6	57.9	26.2	18.9	21.5	25.0	21.9	22.8
16	58.6	57.8	57.8	58.1	24.7	20.1	23.3	23.1	20.4	22.3
17	8.2	8.4	9.9	8.8	21.6	15.7	18.1	17.1	16.2	17.1
18	60.4	60.2	61.4	60.7	19.4	14.4	19.2	14.6	14.1	16.0
19	1.1	1.2	3.9	2.1	18.7	13.8	18.6	16.2	15.2	16.7
20	4.9	4.1	5.5	4.8	30.2	14.1	18.6	19.2	17.1	18.3
21	67.1	66.0	66.7	66.6	19.6	14.4	18.2	18.8	15.8	17.6
22	7.3	5.9	6.6	6.6	20.1	14.4	18.5	18.7	18.9	18.7
23	8.0	6.9	7.2	7.4	21.6	15.4	19.8	21.2	17.5	19.5
24	7.1	5.1	5.1	5.8	21.8	15.9	19.4	21.4	19.3	20.0
25	1.7	59.5	59.7	0.3	22.4	16.2	18.3	22.0	19.1	19.8
26	59.5	61.0	62.4	61.0	20.2	16.3	19.4	19.2	15.5	18.0
27	63.9	4.1	4.8	4.3	19.4	14.3	18.3	16.8	14.1	16.4
28	7.2	6.8	7.8	7.3	17.1	12.2	16.1	16.4	13.6	15.4
29	9.0	8.1	8.7	8.6	18.0	12.2	16.3	16.8	17.3	16.8
30	9.9	8.9	8.5	9.1	17.4	13.2	16.0	16.4	13.2	15.2
	762.99	762.30	762.96	762.75	22.87	14.09	20.96	21.26	18.90	20.38

Barometer, Range for month 756.7—769.9 m.m.
,, 50-yr. average for month 762.865 m.m.
Thermometer, Range for month 12.2—31.0° C.
,, 50-yr. average for month 19.68 C.
Rain, Total for month 89.43 m.m.
,, , 50-yr average for month 135.13 m.m.
,, , total Sept. 1st to end of month 91.98 m.m.
,, , 50-yr. average, Sept. 1st to end of month 195.08 m.m

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METEOROLOGICAL REGISTER

Date	Wet Bulb Cent.			Elasticity of Vapor m.m.				Relative Moisture per cent.				Sun hrs.	Rain m.m.
	8.30	14.30	20:30	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		
1	19.9	22.1	22.1	13.6	16.4	18.8	16.3	56	64	88	69	6.7	
2	20.5	23.2	22.6	14.6	17.8	19.3	17.3	61	67	87	72	6.9	
3	20.0	20.1	22.1	13.1	13.1	17.5	14.6	51	50	74	58	5.8	
4	18.9	22.4	22.1	10.8	17.0	18.0	15.3	37	56	80	61	5.8	
5	19.7	22.1	20.1	14.0	17.5	14.9	15.5	63	75	68	69	0.0	1.14
6	18.3	18.3	14.9	12.6	12.0	9.8	11.5	61	53	57	57	9.0	5.84
7	17.6	15.4	14.5	11.6	11.5	10.9	11.0	56	76	77	70	0.4	2.54
8	17.2	17.7	17.7	11.7	12.1	13.8	12.5	62	60	81	68	4.7	0.38
9	18.3	18.9	17.3	14.0	13.9	12.6	13.5	78	69	71	73	6.3	2.79
10	18.2	18.5	17.7	13.0	12.9	12.9	12.9	66	61	72	66	7.1	
11	18.3	18.7	17.3	12.7	12.7	13.6	12.7	62	58	70	63	9.5	
12	17.8	18.9	17.1	12.3	13.2	12.3	12.6	61	60	69	63	9.4	
13	17.7	17.9	17.6	11.9	12.0	12.4	12.1	58	57	65	60	9.0	
14	17.1	20.2	15.0	11.4	15.6	17.5	14.8	58	75	58	64	7.0	
15	16.9	19.8	19.1	11.5	13.6	14.7	13.3	60	58	73	64	5.8	
16	17.4	24.2	17.2	11.4	13.1	12.4	12.3	54	62	70	62	2.8	
17	15.4	16.1	15.5	11.3	12.9	11.7	12.0	74	90	84	83	0.0	23.87
18	15.5	14.2	13.4	10.8	11.8	11.0	11.2	66	95	92	84	1.3	31.93
19	16.2	14.5	13.9	12.0	11.2	11.0	11.4	75	82	86	81	1.2	12.57
20	15.6	15.5	15.4	11.3	10.8	9.3	10.5	71	66	65	67	7.8	0.25
21	13.4	14.3	12.4	8.9	9.6	8.8	9.1	57	60	66	61	9.0	
22	14.6	14.4	13.3	10.5	9.7	8.4	9.5	64	61	62	59	7.9	
23	14.3	15.1	12.4	9.2	9.4	8.1	8.9	53	50	55	53	9.5	
24	13.8	15.8	15.1	8.8	10.1	10.3	9.7	53	53	62	56	8.6	
25	12.8	17.1	16.2	8.1	11.5	11.9	10.5	57	58	72	60	2.7	
26	16.5	12.9	10.8	12.1	8.0	7.3	9.1	72	48	56	59	7.0	8.12
27	14.0	11.6	10.6	9.4	7.5	7.7	8.2	60	52	65	59	8.7	
28	13.9	10.4	10.4	10.5	6.6	7.7	8.3	78	47	67	64	9.4	
29	11.5	13.2	10.2	7.6	9.2	6.1	7.6	55	65	42	54	9.5	
30	8.8	9.5	8.3	5.3	5.9	5.9	5.7	40	44	53	46	9.6	
	16.33	17.10	15.68	11.20	11.95	11.85	11.66	60.4	62.4	69.2	64.2	6.25	89.49

Height of Barometer above sea level: 33.7 meters.
" " Thermometers above ground:
Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 2 hours equals G. C. T.
50 year averages are for period, 1875-1924

NOVEMBER 1932

METEOROLOGICAL REGISTER

Date	Clouds. Clear—0 Overcast—10				Direction and force of Wind 0—10			Wind per day	Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Km.		
1	0	7stcu	5stcu	4.0	1nw	1w	0	229.1	light	
2	3ci	5ci	2ci	3.3	0	0	0	82.3	calm	
3	3ci	9ci	10cicu	7.3	0	0	2sw	84.0	light	
4	7cicu	8ci	10cu	8.3	0	0	0	111.3	stormy	thin fog in a.m.
5	10ni	10ci	10ni	10.0	2n	5n	4n	522.7	rough	th. st. at 10 p.m.
6	3cu	3cu	2cu	2.7	1n	1nw	2n	1054.6	stormy	
7	8cu	10ni	3cu	7.0	3nw	2nw	1n	294.0	mod.	
8	5cu	7ni	7cu	6.3	1n	2nw	1n	869.3	„	
9	4cu	3cu	7cu	4.7	2nw	0	1nw	172.7	„	
10	1cu	5cu	0	2.0	0	2nw	0	278.6	„	
11	1cu	1cu	1cu	1.0	0	0	0	293.2	„	
12	1cu	8ci	1ci	3.3	0	1nw	0	211.1	„	
13	1ci	8ci	4cu	4.1	0	0	2n	261.0	light	
14	5stcu	8ci	10ci	7.7	0	0	0	223.4	mod.	
15	8cicu	6cicu	10ci	8.0	0	0	0	211.6	stormy	
16	10cicu	10ci	7cicu	9.0	0	1n	1nw	333.2	„	
17	10ni	10ni	10ni	10.0	2nw	3sw	1w	719.4	mod.	th. st. at night
18	10ni	10ni	10ni	10.0	1w	1w	0	390.2	stormy	
19	7cu	10ni	10ni	9.0	0	1w	0	441.9	light	
20	7cu	1cu	0	2.7	0	2nw	2n	233.2	stormy	
21	5ci	1cu	0	2.0	0	1n	0	335.4	„	
22	2ci	5ci	0	2.3	0	1nw	0	270.4	„	
23	0	0	0	0.0	0	0	0	213.7	mod.	
24	0	8ci	3ci	3.7	0	0	0	275.5	„	
25	10ci	10ci	5ci	8.3	0	0	2se	296.4	light	
26	8cu	3cu	1cu	4.0	6se	5nw	1nw	627.9	rough	th. & lit. in a.m.
27	6cu	0	0	2.0	0	2nw	0	361.7	„	
28	0	0	0	0.0	1nw	0	2nw	269.3	stormy	
29	0	1cu	0	0.3	0	1n	5e	273.6	mod.	
30	0	0	0	0.0	4ne	1ne	0	551.5	rough	
					24	33	27			
				4.76	0.8	1.1	0.9	349.74		

NUMBER OF DAILY WIND OBSERVATIONS

Time	N	NE	E	SE	S	SW	W	NW	Calm
8:30	2	1	0	1	0	0	2	5	19
14:30	4	1	0	0	0	1	3	9	12
20.30	6	0	1	1	0	1	1	4	16
Totals	12	2	1	2	0	2	6	18	47

Number of days with rain 10, fog 1, thunderstorms 2, gales 0

50-yr average number of days with rain during month 9.8